Fax
719-587-1378
Intek
Paul Thompson
1 Same as Intelect Combo.

CPS 200/400 Combo
Applicator Calibration Procedure

I. Equipment needed
   - A. UPM-DT-10 Digital Power Meter
   - B. A CPS 200 or 400 Combo Unit
   - C. Applicators

II. Set-up
   - A. Plug the power supply into an outlet and into the back of the unit.
   - B. Plug an applicator into the unit.
   - C. Place the applicator head into the digital power meter. Make sure that the head is mounted level and centered over the cone in the power meter.

III. Calibration
   - A. Hold down the US button on the front panel and simultaneously turn the power switch on. The unit will turn on in the ultrasound calibration mode.
   - B. The display will read "select a head size." Using the up and down buttons, select the head size being calibrated. Press Enter.
   - C. The display will read "select a frequency." Using the up and down buttons, select the desired frequency. Start with 1 MHz. Press Enter.
   - D. An hour glass will begin to flash on the display.
   - E. The display will read "Set to 4 watts." Zero the power meter. Using the up and down buttons, increase the power until the digital power meter indicates 4 watts. Press Enter.
   - F. The display will read "save calibration." Press Enter.
   - G. All settings for the selected frequency are now complete. The display will read "select a frequency. Select 3.3 MHz and repeat steps b through f.
   - H. After both frequencies have been calibrated and before removing the applicator head from the power meter, check the accuracy of the power calibration. Cycle the power to the unit off and then back on. Select continuous duty cycle and increase the output to the settings listed. Verify that the power indicated on the UPM-DT-10 power meter is within the indicated range. Check power at both 1 MHz and 3.3 MHz.

Head size	Power level	Output range
2 cm^2	2 watts	1.72-2.28
	4 watts	3.44-4.56
5 cm^2	5 watts	4.3-5.7
	10 watts	8.6-11.4
10 cm^2	5 watts	4.3-5.7
	10 watts	8.6-11.4
	15 watts	12.9-17.1
	20 watts	17.2-22.8

   - I) Turn the power to the unit off. Repeat procedure for additional applicators.
   - J) Procedure complete.